



SK

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/070,241A
Source: PCT10
Date Processed by STIC: 12/16/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



PCT|0

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,241A

DATE: 12/16/2002

TIME: 13:37:15

Errors on p. 3

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\12162002\J070241A.raw

3 <110> APPLICANT: Takeda Chemical Industries, Ltd.

W--> 4 <120> TITLE OF INVENTION: Novel G Protein Coupled Receptor Protein and Its Use

W--> 5 <130> FILE REFERENCE: 2633WOOP

C--> 6 <140> CURRENT APPLICATION NUMBER: US/10/070,241A

C--> 6 <141> CURRENT FILING DATE: 2002-10-11

6 <150> PRIOR APPLICATION NUMBER: JP 11-241530

7 <151> PRIOR FILING DATE: 1999-08-27

W--> 8 <160> NUMBER OF SEQ ID: 7

W--> 9 <210> SEQ ID NO: 1

10 <211> LENGTH: 431

11 <212> TYPE: PRT

12 <213> ORGANISM: Human

W--> 13 <400> SEQUENCE: 1

14 Met Gln Ala Leu Asn Ile Thr Trp Ala Gln Phe Ser Arg Leu Leu Arg
15 1 5 10 15

16 Asp His Asn Leu Thr Arg Glu Gln Ile Ile Ala Leu Tyr Arg Leu Arg
17 20 25 30

18 Pro Leu Val Tyr Thr Pro Glu Leu Pro Gly Arg Ala Lys Leu Ala Leu
19 35 40 45

20 Val Leu Thr Gly Val Leu Ile Phe Ala Leu Ala Leu Phe Gly Asn Ala
21 50 55 60

22 Leu Val Phe Tyr Val Val Thr Arg Ser Lys Ala Met Arg Thr Val Thr
23 65 70 75 80

24 Asn Ile Phe Ile Cys Ser Leu Ala Leu Ser Asp Leu Leu Ile Thr Phe
25 85 90 95

26 Phe Cys Ile Pro Val Thr Met Leu Gln Asn Ile Ser Asp Asn Trp Leu
27 100 105 110

28 Gly Gly Ala Phe Ile Cys Lys Met Val Pro Phe Val Gln Ser Thr Ala
29 115 120 125

30 Val Val Thr Glu Ile Leu Thr Met Thr Cys Ile Ala Val Glu Arg His
31 130 135 140

32 Gln Gly Leu Val His Pro Phe Lys Met Lys Trp Gln Tyr Thr Asn Arg
33 145 150 155 160

34 Arg Ala Phe Thr Met Leu Gly Val Val Trp Leu Val Ala Val Ile Val
35 165 170 175

36 Gly Ser Pro Met Trp His Val Gln Gln Leu Glu Ile Lys Tyr Asp Phe
37 180 185 190

38 Leu Tyr Glu Lys Glu His Ile Cys Cys Leu Glu Glu Trp Thr Ser Pro
39 195 200 205

40 Val His Gln Lys Ile Tyr Thr Phe Ile Leu Val Ile Leu Phe Leu
41 210 215 220

42 Leu Pro Leu Met Val Met Leu Ile Leu Tyr Ser Lys Ile Gly Tyr Glu
43 225 230 235 240

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,241A

DATE: 12/16/2002

TIME: 13:37:15

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\12162002\J070241A.raw

```

44 Leu Trp Ile Lys Lys Arg Val Gly Asp Gly Ser Val Leu Arg Thr Ile
45           245           250           255
46 His Gly Lys Glu Met Ser Lys Ile Ala Arg Lys Lys Lys Arg Ala Val
47           260           265           270
48 Ile Met Met Val Thr Val Val Ala Leu Phe Ala Val Cys Trp Ala Pro
49           275           280           285
50 Phe His Val Val His Met Met Ile Glu Tyr Ser Asn Phe Glu Lys Glu
51           290           295           300
52 Tyr Asp Asp Val Thr Ile Lys Met Ile Phe Ala Ile Val Gln Ile Ile
53 305           310           315           320
54 Gly Phe Ser Asn Ser Ile Cys Asn Pro Ile Val Tyr Ala Phe Met Asn
55           325           330           335
56 Glu Asn Phe Lys Lys Asn Val Leu Ser Ala Val Cys Tyr Cys Ile Val
57           340           345           350
58 Asn Lys Thr Phe Ser Pro Ala Gln Arg His Gly Asn Ser Gly Ile Thr
59           355           360           365
60 Met Met Arg Lys Lys Ala Lys Phe Ser Leu Arg Glu Asn Pro Val Glu
61           370           375           380
62 Glu Thr Lys Gly Glu Ala Phe Ser Asp Gly Asn Ile Glu Val Lys Leu
63 385           390           395           400
64 Lys Glu Gln Thr Glu Glu Lys Lys Lys Leu Lys Arg His Leu Ala Leu
65           405           410           415
66 Phe Arg Ser Glu Leu Ala Glu Asn Ser Ile Leu Asp Ser Gly His
67           420           425           430           435

```

<210> SEQ ID NO: 1

<211> LENGTH: 1295

<212> TYPE: DNA

<213> ORGANISM: Human

W--> 72 <400> SEQUENCE: 2

```

C--> 73 atgcaggcgc ttaacattac cccggagcag ttctctcgcc tgctgcggga ccacaacctg 60
74 agcgaggaga agttcatcgc tctgtacagg ctgcgacggc tegtctacac cccagagctg 120
75 cgggagcgag ccaagctggc cctagtgttc acgagggtgc tcatcttcgc cctgggagctc 180
76 ttgtgcaatg ctctgggtgt ctactgtgtg acccgagaga agggcatggg caccgtcacc 240
77 aacatcttta tctgtctctt ggagctcagt gacctgttca tcaacttctt ctgcattccc 300
78 gtcatcatgc tccagacatc ttccgacac ttgctggggg gtgctttcat ttgcaagatg 360
79 gtgcattttg tccagctcac cgtctgttgt agagaaatcc tcactatgac ctgcattgct 420
80 gtggaaagga accagggact tgtgcacact tttaaaatga agtggcaata caccaaacga 480
81 agggtttcca caatgctagg ttgtgtcttg ctggtagcag tcatcgtagg atcaccatg 540
82 tggcagctgc aacaacttga gatcaaatat gacttcttat atgaaaagga acacatctgc 600
83 tgcctagaag agtggacag cctctgtcac cagaagatct acaccacctt catcttctg 660
84 atcctcttcc tctgctctct tatgtgtatg ctlatctgtt acagtaaaat tggttatgaa 720
85 ctttgataaa agaaaagat tggggatggt ttagtgcttc gaactattca tggaaaagaa 780
86 atgtcaaaaa tggcaggaa gaagaaaaga gtgttcatta tgaatgtgac agtgggtgct 840
87 ctcttgctg tggtctgggc accattccat gttgtccata tgatgataga atacagtaat 900
88 ttgaaaagg aattatgaga tgtcacacac aagatgattt ttgttatctg gcaaatatt 960
89 ggaatttcca actcactctg taatccactt gctatgcat tlatgaatga aaacttcaaa 1020
90 aaaaatgttt tgtctgagt ttgttattgc atagtaata aaacttctc tccagacaaa 1080
91 aggcattgaa attcaggagt tacaatgatg cgaagaaaag caaaqttttt cctcagagag 1140
92 aatcagtggt aggaacacaa aggagaagca ttcagtgatg gcaacattga agtcaaatgt 1200

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,241A

DATE: 12/16/2002

TIME: 13:37:15

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\12162002\J070241A.raw

93 tgtgaacaga cagaggagaa gaaagaagctc aaagacatc ttgctctctt taggtctgaa 1260

94 ctgactgaga attctctctt agacaqtgag cat 1293

95 <210> SEQ ID NO: 3

96 <211> LENGTH: 37

97 <212> TYPE: DNA

98 <213> ORGANISM: Artificial Sequence

W--> 99 <220> FEATURE:

100 <221> OTHER INFORMATION:

W--> 101 <400> SEQUENCE: 3

C--> 102 tgtcagcatg caggcgctta acattacccc ggagcag 37

103 <210> SEQ ID NO: 4

104 <211> LENGTH: 37

105 <212> TYPE: DNA

106 <213> ORGANISM: Artificial Sequence

W--> 107 <220> FEATURE:

108 <221> OTHER INFORMATION:

W--> 109 <400> SEQUENCE: 4

C--> 110 gactagttaa atgcccactg tctaaaggag aattctc 37

111 <210> SEQ ID NO: 5

112 <211> LENGTH: 22

113 <212> TYPE: DNA

114 <213> ORGANISM: Artificial Sequence

W--> 115 <220> FEATURE:

116 <221> OTHER INFORMATION:

W--> 117 <400> SEQUENCE: 5

C--> 118 caatgctagg tgttgtctgg ct 22

119 <210> SEQ ID NO: 6

120 <211> LENGTH: 22

121 <212> TYPE: DNA

122 <213> ORGANISM: Artificial Sequence

W--> 123 <220> FEATURE:

124 <221> OTHER INFORMATION:

W--> 125 <400> SEQUENCE: 6

C--> 126 gatctcaagt tgttgacagt gc 22

127 <210> SEQ ID NO: 7

128 <211> LENGTH: 26

129 <212> TYPE: DNA

130 <213> ORGANISM: Artificial Sequence

W--> 131 <220> FEATURE:

132 <221> OTHER INFORMATION:

W--> 133 <400> SEQUENCE: 7

C--> 134 tggcagtcac cgttaggatca cccatg 26

- explanation of artificial
sequence required - see e.g.
summary sheet, item 11

VERIFICATION SUMMARY

DATE: 12/16/2002

PATENT APPLICATION: US/10/070,241A

TIME: 13:37:16

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\12162002\J070241A.raw

L:4 M:283 W: Missing Blank Line separator, <120> field identifier
 L:5 M:283 W: Missing Blank Line separator, <130> field identifier
 L:6 M:270 C: Current Application Number differs, Replaced Current Application No
 L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:8 M:283 W: Missing Blank Line separator, <160> field identifier
 L:9 M:283 W: Missing Blank Line separator, <210> field identifier
 L:13 M:283 W: Missing Blank Line separator, <400> field identifier
 L:72 M:283 W: Missing Blank Line separator, <400> field identifier
 L:73 M:112 C: (43) String data converted to lower case,
 M:112 Repeated in SeqNo=2
 L:99 M:283 W: Missing Blank Line separator, <220> field identifier
 L:101 M:283 W: Missing Blank Line separator, <400> field identifier
 L:101 M:255 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:100
 L:102 M:112 C: (43) String data converted to lower case,
 L:107 M:283 W: Missing Blank Line separator, <270> field identifier
 L:109 M:283 W: Missing Blank Line separator, <400> field identifier
 L:109 M:255 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:108
 L:110 M:112 C: (43) String data converted to lower case,
 L:115 M:283 W: Missing blank Line separator, <220> field identifier
 L:117 M:283 W: Missing blank Line separator, <400> field identifier
 L:117 M:255 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:116
 L:118 M:112 C: (43) String data converted to lower case,
 L:123 M:283 W: Missing Blank Line separator, <220> field identifier
 L:125 M:283 W: Missing Blank Line separator, <400> field identifier
 L:125 M:255 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:124
 L:126 M:112 C: (43) String data converted to lower case,
 L:131 M:283 W: Missing Blank Line separator, <220> field identifier
 L:133 M:283 W: Missing Blank Line separator, <400> field identifier
 L:133 M:255 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:132
 L:134 M:112 C: (43) String data converted to lower case,

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/070,241A
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) _____ SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input checked="" type="checkbox"/> Use of <220>	Sequence(s) <u>3-7</u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	